

## **IN THE CLAIMS**

The status of the claims is as follows:

1 Canceled.

2. [Previously presented] A multi-tasking operating system stationary queue for managing simultaneous access to scarce or serially re-usable resources by multiple process threads, the stationary queue comprising:

a sleep code routine for generating a unique block identifier when a process thread temporarily cannot gain access to said resource and must be suspended; and

a wake-up code routine for generating a unique run identifier when a next thread in line is to be re-animated and granted access to said resource in FIFO order.

3. [Previously presented] The system of claim 2, further comprising:

a wait counter for counting the cumulative number of

threads that have been temporarily denied the resource;  
a satisfied counter for counting the cumulative number  
of threads that have been denied access and  
subsequently granted access to said resource;

said sleep code routine being responsive to said wait  
counter for generating said run identifier; and

said wake-up code routine being responsive to said  
satisfied counter for generating said run identifier.

4-7. [Canceled]

8. [Previously presented] A memory device for storing  
signals to structure the components of a digital computer to  
form a stationary queue for managing simultaneous access to  
scarce or serially re-usable resources by multiple process  
threads, comprising:

a sleep code routine for generating a unique block  
identifier when a process thread temporarily cannot  
gain access to said resource and must be suspended;

a wake-up code routine for generating a unique run

identifier when a next thread in line is to be re-animated and granted access to said resource;

a wait counter for counting the cumulative number of threads that have been temporarily denied the resource;

a satisfied counter for counting the cumulative number of threads that have been denied access and subsequently granted access to said resource;

said sleep code routine being responsive to said wait counter for generating said run identifier; and

said wake-up code routine being responsive to said satisfied counter for generating said run identifier.